L Number	Hits	Search Text	DB	Time stamp
1	0	63313007.URPN.	USPAT	2002/04/11 13:32
8	1	( ((length\$6 elongat\$4 stretch\$4) near4 (shaft rod axial	USPAT;	2002/04/11 13:45
		cylind\$6 bar) near6 (groove furrow channel mark\$4 indent\$4	US-PGPUB;	
	1	projection depression gap)) near9 (sens\$4 measur\$4	EPO; JPO;	]
		determin\$4 detect\$4) and ((eddy near2 current) capacitance	DERWENT;	
		photoelectric) near4 (sens\$4 detect\$4) and sensor).clm.	IBM_TDB	
29	1	( ((rotat\$5 torque) near4 (shaft rod axial cylind\$6 bar) near6	USPAT;	2002/04/11 13:56
		(groove furrow channel mark\$4 indent\$4 projection depression	US-PGPUB:	
		gap)) near9 (sens\$4 measur\$4 determin\$4 detect\$4) and	EPO; JPO;	
		((eddy near2 current) capacitance photoelectric) near4	DERWENT:	
		(sens\$4 detect\$4) and sensor).clm.	IBM TDB	
36	122	( ((rotat\$5 torque) near4 (shaft rod axial cylind\$6 bar) near6	USPAT;	2002/04/11 14:00
		(groove furrow channel mark\$4 indent\$4 projection depression	US-PGPUB;	
ĺ		gap)) near9 (sens\$4 measur\$4 determin\$4 detect\$4) and	EPO; JPO;	
		(sens\$4 detect\$4) ).clm.	DERWENT:	
			IBM_TDB	
43	2	("5440938"   "5452616").PN.	USPAT	2002/04/11 14:08
44	0	5979248.URPN.	USPAT	2002/04/11 14:11
45	118	73/862.324.ccls.	USPAT;	2002/04/11 14:17
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
52	121	73/862.325.ccls.	USPAT;	2002/04/11 14:15
ļ			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
59	91	73/862.32\$.ccls. and (mark\$4 notch\$4)	USPAT;	2002/04/11 14:34
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
66	65	73/862.32\$.ccls. and (mark\$4 notch\$4) and ((sens\$4 detect\$4	USPAT;	2002/04/11 14:22
		determin\$4) near4 (shaft rod bar))	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
73	3	4995257.pn.	USPAT;	2002/04/11 14:23
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
80	6	("4305294"   "4347748"   "4352295"   "4525068"   "5001937"	USPAT	2002/04/11 14:24
04	_	"5297044").PN.	110047	0000000444444
81	6	5438882.URPN.	USPAT	2002/04/11 14:25
82	105	73/862.32\$.ccls. and (mark\$4 notch\$4 projection) and rotat\$4	USPAT;	2002/04/11 14:36
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
00	25	70/000 00 and and (manife) and analytical and a significant and a	IBM_TDB	0000004/44 44:07
89	65	73/862.3\$.ccls. and (mark\$4 notch\$4 projection) and rotat\$4	USPAT;	2002/04/11 14:37
		and ((capacitive (eddy near2 current) photodetect\$4	US-PGPUB;	
}		photoelectric))	EPO; JPO;	
			DERWENT;	
96		4166292 LIDDN	IBM_TDB	2002/04/44 44:42
96	1	4166383.URPN.	USPAT USPAT	2002/04/11 14:43
31	2 474	("2519378"   "2811853").PN. 73/800.ccls.	USPAT;	2002/04/11 14:43 2002/04/11 14:15
-	4/4	/ 3/000.CGS.	US-PGPUB;	2002/04/11 14.13
ļ	j		EPO; JPO;	
-			DERWENT;	
	l		IBM_TDB	
		L	יטטו_ועוטו	

	,			
-	280	((rotat\$4 turning ) near4 (shaft rod bar) and (groove furrow	USPAT;	2002/04/10 20:09
		channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	
		determin\$4 detect\$4) near4 (lengthening elongat\$4 exten\$4	EPO; JPO;	
		disten\$4 stretch\$4))).clm.	DERWENT;	
			IBM_TDB	
-	28	((rotat\$4 turning ) near4 (shaft rod bar) and (groove furrow	USPAT;	2002/04/10 20:13
		channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	
1		determin\$4 detect\$4) near4 (lengthening elongat\$4 exten\$4	EPO; JPO;	
		disten\$4 stretch\$4))).clm. and ((eddy near2 current) (capacitance near2 gap) photoelectric)	DERWENT; IBM_TDB	
_	28	(((rotat\$4 turning ) near4 (shaft rod bar)) and (groove furrow	USPAT;	2002/04/10 20:23
		channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	2002/04/10 20.23
		determin\$4 detect\$4) near4 (lengthening elongat\$4 exten\$4	EPO; JPO;	1
		disten\$4 stretch\$4))).clm. and ((eddy near2 current)	DERWENT:	
		(capacitance near2 gap) photoelectric)	IBM_TDB	
-	464	(((rotat\$4 turning ) near4 (shaft rod bar)) and (groove furrow	USPAT;	2002/04/10 20:27
		channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	
		determin\$4 detect\$4) near4 (lengthening elongat\$4 exten\$4	EPO; JPO;	
		disten\$4 stretch\$4))) and (((eddy near2 current) (capacitance near2 gap) photoelectric) near4 (sens\$4 detect\$4))	DERWENT;	
_	109	(((rotat\$4 turning ) near4 (shaft rod bar)) and (groove furrow	IBM_TDB USPAT;	2002/04/11 10:05
	103	channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	2002/04/11 10.05
		determin\$4 detect\$4) near4 (lengthening elongat\$4	EPO; JPO;	
		stretch\$4))) and (((eddy near2 current) (capacitance near2	DERWENT;	
		gap) photoelectric) near4 (sens\$4 detect\$4))	IBM_TDB	
i -	41	(((rotat\$4 turning) near4 (shaft rod bar)) and (groove furrow	USPAT;	2002/04/10 20:32
		channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	
		determin\$4 detect\$4) near4 (lengthening elongat\$4 exten\$4	EPO; JPO;	
		disten\$4 stretch\$4))) and (((eddy near2 current) (capacitance	DERWENT;	
		near2 gap) photoelectric) near4 (sens\$4 detect\$4)) and 73/\$6.ccls.	IBM_TDB	
-	55	(((rotat\$4 turning ) near4 (shaft rod bar)) and (groove furrow	USPAT:	2002/04/11 11:25
		channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	2002/04/11 11:20
		determin\$4 detect\$4) near4 (length\$6 elongat\$4 exten\$4	EPO; JPO;	
		disten\$4 stretch\$4))) and (((eddy near2 current) (capacitance	DERWENT;	
		near2 gap) photoelectric) near4 (sens\$4 detect\$4)) and	IBM_TDB	
	40	73/\$6.ccls.		
-	42	(((rotat\$4 turning ) near4 (shaft rod bar)) near9 (groove furrow	USPAT;	2002/04/11 10:20
		channel indent\$4 depression gap) and ((sens\$4 measur\$4 determin\$4 detect\$4) near4 (length\$6 elongat\$4 stretch\$4)))	US-PGPUB;	
		and (((eddy near2 current) (capacitance near2 gap)	EPO; JPO; DERWENT;	
		photoelectric) near4 (sens\$4 detect\$4))	IBM_TDB	
-	5	(((rotat\$4 turning ) near4 (shaft rod bar)) near9 (groove furrow	USPAT;	2002/04/11 10:56
		channel indent\$4 depression gap)) and ((sens\$4 measur\$4	US-PGPUB;	
		determin\$4 detect\$4) near4 (length\$6 elongat\$4 stretch\$4)	EPO; JPO;	
		near4 (chang\$4 variati\$4 alterat\$4 differen\$4)) and ((eddy	DERWENT;	
		near2 current) (capacitance near2 gap) photoelectric) near4 (sens\$4 detect\$4)	IBM_TDB	
_	6	((((rotat\$4 turning ) near4 (shaft rod bar)) and (groove furrow	USPAT;	2002/04/11 11:36
	·	channel indent\$4 depression gap) and ((sens\$4 measur\$4	US-PGPUB;	2002/04/11 11.30
		determin\$4 detect\$4) near4 (length\$6 elongat\$4 exten\$4	EPO; JPO;	
		disten\$4 stretch\$4))) and (((eddy near2 current) (capacitance	DERWENT;	
		near2 gap) photoelectric) near4 (sens\$4 detect\$4)) ).clm.	IBM_TDB	
-	55	(((rotat\$4 turning) near4 (shaft rod bar)) and (groove furrow	USPAT;	2002/04/11 11:38
		channel indent\$4 depression gap) and (sens\$4 measur\$4	US-PGPUB;	
		determin\$4 detect\$4) and (((eddy near2 current) (capacitance	EPO; JPO;	
	1	near2 gap) photoelectric) near4 (sens\$4 detect\$4)) ).clm.	DERWENT;	
_	4	(((rotat\$4 turning ) near4 (shaft rod bar)) near6 (groove furrow	IBM_TDB USPAT;	2002/04/11 11:39
,	7	channel indent\$4 depression gap) and (sens\$4 measur\$4	US-PGPUB;	2002/0 <del>4</del> /11 11.38
	]	determin\$4 detect\$4) and (((eddy near2 current) (capacitance	EPO; JPO;	
		near2 gap) photoelectric) near4 (sens\$4 detect\$4)) ).clm.	DERWENT;	
			IBM_TDB	

- 6 (((rotat\$4 turning ) near4 (shaft rod bar)) near6 (groove furrow channel indent\$4 depression gap) and (sens\$4 measur\$4 US-PG determin\$4 detect\$4) and (((eddy near2 current) (capacitance near2 gap) photoelectric) near4 (sens\$4 detect\$4)) ) and 73/\$6.ccls.  - 11 (((rotat\$4 turning ) near4 (shaft rod bar)) near6 (groove furrow channel indent\$4 projection depression gap) and (sens\$4 US-PG	PUB; PO; ENT; B
determin\$4 detect\$4) and (((eddy near2 current) (capacitance near2 gap) photoelectric) near4 (sens\$4 detect\$4)) ) and 73/\$6.ccls.  11 (((rotat\$4 turning ) near4 (shaft rod bar)) near6 (groove furrow USPAT	PUB; PO; ENT; B
near2 gap) photoelectric) near4 (sens\$4 detect\$4)) ) and DERWI 73/\$6.ccls.   IBM_TI USPAT   US	ENT; B
73/\$6.ccls. IBM_TC (((rotat\$4 turning ) near4 (shaft rod bar)) near6 (groove furrow USPAT	В
- 11 (((rotat\$4 turning ) near4 (shaft rod bar)) near6 (groove furrow USPAT	
Channel indents4 projection depression dan) and (sens\$4 115 DC)	
03-FG	PUB;
measur\$4 determin\$4 detect\$4) and (((eddy near2 current)	
(capacitance near2 gap) photoelectric) near4 (sens\$4 DERWE	ENT;
detect\$4))) and 73/\$6.ccls.  14 (((rotat\$4 turning) near4 (shaft rod bar)) near6 (groove furrow LISDAT	В
channel indentify resist (chair for bar) flear (groove fullow OSPA)	
channel indent\$4 projection depression gap) and (sens\$4 US-PGI measur\$4 determin\$4 detect\$4) and ((eddy near2 current)	
I distance as a substitution of the substituti	
4 100004000	1
)	
US-PGF	
EPO; JF	
DERWE IBM TD	
- 1 "63313007" USPAT;	2002/04/11 11:58
US-PGF	
EPO; JF	
DERWE	
IBM TD	
- 1 "62149938" USPAT;	2002/04/11 11:58
US-PGF	
EPO; JF	
DERWE	
IBM TD	
- 1 JP62149938 USPAT;	2002/04/11 11:59
US-PGP	
EPO; JP	0;
DERWE	NT;
IBM_TD	
- 648 33/706.ccls. USPAT;	2002/04/11 11:59
US-PGP	
EPO; JP	
DERWE	
IBM_TDI	
What the same of t	2002/04/11 12:04
current) capacitance photoelectric) near4 (sens\$4 detect\$4))   DERWE and (distance spacing separation) and 33/706.ccls.   IBM_TDE	
- 0 ((lengthen\$4 elongat\$4 stretch\$4) near4 (shaft rod bar) near6 USPAT;	2002/04/11 12:10
(groove furrow channel mark\$4 indent\$4 projection depression US-PGP	
gap)) and (sens\$4 measur\$4 determin\$4 detect\$4) and ((eddy EPO; JP	
near2 current) capacitance photoelectric) near4 (sens\$4 DERWE	
detect\$4) and sensor and 33/\$6.ccls.	
- 0 ((lengthen\$4 elongat\$4 stretch\$4) near4 (shaft rod axial USPAT;	2002/04/11 13:34
cylind\$6 bar) near6 (groove furrow channel mark\$4 indent\$4 US-PGP	
projection depression gap)) and (sens\$4 measur\$4 EPO; JPo	
determin\$4 detect\$4) and ((eddy near2 current) capacitance   DERWEI	
photoelectric) near4 (sens\$4 detect\$4) and sensor and IBM_TDE	
33/\$6.ccls.	
- 11 ((lengthen\$4 elongat\$4 stretch\$4) near4 (shaft rod axial USPAT;	2002/04/11 12:51
cylind\$6 bar) near6 (groove furrow channel mark\$4 indent\$4 US-PGPI	
projection depression gap)) and (sens\$4 measur\$4 EPO; JPO	
determin\$4 detect\$4) and sensor and 33/\$6.ccls.  DERWEI	
IBM_TDE	